Patent Claims

1. An air conditioner housing having an evaporation device, a heating device, an air control device, an interior space in which air flow paths are formed, and having a housing which surrounds the interior space, characterized in that a first air flow path (15) and a second air flow path (17) are formed, and in that the air control device (9) has at least two mixing flaps (11, 13), a first mixing flap (11) of which is assigned to the first air flow path (15), and a second mixing flap (13) of which is assigned to the second airflow path (17), and in that the mixing flaps (11, 13) each completely open the assigned air flow path (15, 17) in a first functional position and completely close it in a second functional position.

2. The air conditioner housing as claimed in claim 1, characterized in that a third and a fourth air flow path are formed, and in that the air control device has two further mixing flaps, one of which is assigned to the third airflow path, and one of which is assigned to the fourth airflow path.

3. The air conditioner housing as claimed in claim 1 or 2, characterized in that the mixing flaps are assigned to a warm air stream and close it off completely in their first functional position.

4. The air conditioner housing as claimed in one of the preceding claims, characterized in that the mixing flaps are each assigned to a separate warm air stream.

5. The air conditioner housing as claimed in one of the preceding claims, characterized in that the mixing flaps (11, 13) are embodied in symmetrical pair.

6. The air conditioner housing as claimed in one of the preceding claims, characterized in that at least one mixing flap, preferably all the mixing flaps, are embodied in two parts.

7. The air conditioner housing as claimed in claim 6, characterized in that a first component mixing flap (65) and a second component mixing flap (67) are connected to one another in a moveable fashion.

8. The air conditioner housing as claimed in claim 7, characterized in that the component mixing flaps (65, 67) are connected to one another by means of a film hinge.

9. The air conditioner housing as claimed in one of the preceding claims, characterized in that the mixing flaps (11, 13) are mounted at one of their ends in a slotted guide mechanism and can be coupled at the other end to a drive (33, 35).

10. The air conditioner housing as claimed in one of the preceding claims, characterized in that the mixing flaps (11, 13) are provided on their side edges with a sealing device which is preferably selected as a sealing edge.

11. The air conditioner housing as claimed in one of the preceding claims, characterized in that at least one sealing edge (70, 70'), which interacts with the mixing flaps (11, 13), is provided on an inner wall of the air conditioner housing (1).

12. The air conditioner housing as claimed in one of the preceding claims, characterized in that different flow paths for different outlets can be formed in its interior.

13. The air conditioner housing as claimed in claim 12, characterized in that the air flows which are assigned to the outlets can be influenced by means of the mixing flaps (11, 13).

14. The air conditioner housing as claimed in one of the preceding claims, characterized in that the drives (33, 35) of a pair (11, 13) of mixing flaps are arranged at a distance from one another on opposite sides of the heating device (7).

15. The air conditioner housing as claimed in one of the preceding claims, characterized in that in each case two mixing flaps are assigned to one drive.

16. The air conditioner housing as claimed in one of the preceding claims, characterized in that each mixing flap (11, 13) is assigned a separate drive (33, 35).

17. The air conditioner housing as claimed in one of the preceding claims, characterized in that the heating device (7) is arranged centrally in the air conditioner housing (1).

18. The air conditioner housing as claimed in one of the preceding claims, characterized in that the first and second flow paths (15, 17) lead past the side of the heating device (7).

19. The air conditioner housing as claimed in one of the preceding claims, characterized in that in their first functional position the mixing flaps (11, 13) close off the heating device (7) in a planar fashion.

20. The air conditioner housing as claimed in one of the preceding claims, characterized in that in

their first functional position the mixing flaps (11, 13) bear against the housing (69) of the heating device (7).